

TABLE I

cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:317	Late	LPZ-308	GACGTTGTAAACGACGGCCAGACAATATTGGAAGGGAGAAAGGCCGCCAGCAGGG TTGAGGGGAAGAAATGCATAATGACATATATAATGAGATCTATTTGTATACGATATT ACGGGTACGATCGATGATTCGAGCTACGATCCCATACGACGCTAAAGCGTAATTAC ATATATAATAGATGCATTTTCAGAAATGACTTATCTATTTTCATTACGCGATATTATATAC GTAATTACGTATATAATTGCAGAGATCTCACCGACCAACCAATAGTCTTTTCATTTT ATCCCAGGCGTCCGC
SEQ ID NO:318	Late	LPZ-309	GCGGACGCCTGTATCACTAGAGGTGAATACTCAGCAAGCAAACTGAAGGATATTA TTGAAAAAGCTGTCAAGGCTAAATTGGGTGTCAATTCCCCATTGATCATGCATGGTT CTACACTTTTGTGTTGAGTCCGGTGATGACATTGAGGAAGATGTTGCTGCACATTAT GCACAAACTTAGAGAAGACGTTAGCAGAATTTCCAGTTCCAATCACAAATGGTGT ATTCTTACAGTAGAGGACTACCAGCAAGAGTTCTTATGCAGTATTAATATTAAGCAC AGAGATGACTTTGATGAGGAGTCAGGTGGCATTGTACTGTCTGGAGGCGTCCGC
SEQ ID NO:319	Late	LPZ-310	GCGGACGCCTCCTTGTAGATACCATACATGAGTCTAAGATCAAAATCATACAAGAA GAGCTTCATTCCGGGCCTCACCTTTTCTACAAGCTCCTTTTGGCTGGTGAAAGC CAAACACTCTGTATCGGAAACACTCCTGCCTAGTTTCAGAATTACACATAAAATCA AGCCGGCAAACCTATCTTTGCCACTGCCATCTTCATTGTTTGCCTGGCCGTCCG TTTTACAACGTC
SEQ ID NO:320	Late	LPZ-311	GCGGACGCCTTACTAAAACGACGGCCAGATGTGTAATGGGGAAAATGTGTCATGAT AGTTGGGTACAAATAACGAGCCACCTGCTCTATGTTTTCGAAGTTTTCTGTTGGATT TGTCGGGTGAGAGAGCGTTTCGTTTCGTCGAGAGGGGGCAAAATGCTGAGCG TGGGGAATTGCCATTGCCGCCCTGGAAGTGCCGCACGAACGCGATCACATTTAA ATCACCATTTACTTCATCATCACCATGGTTAAATGCAGTCCCTGCTCCTTCAAACAG GAACCTCAGATCCTTCAAGCTCGAAATCTCCGCCTCTGCTTCCTCGAAGACAAGAC TCTGTGAGGAGGAAGCGCAGCAGCTGAGCTTAGCGGATCTGCTGAAGCCCGGTG GCCTCGCCCCCGATGGGTTCTCGTACAAGGAGAACTTTACCATACGCTGCTATGAA GTCCGAGTTAAACCGCACTGCCACCATTGAGGCGTCCGC
SEQ ID NO:321	Middle	LPZ-312	GACGTTGTAAACGACGGCCAGCAACCAATAAACCCACATGTGCTCAATGTTTT AGTATAAAAGGAGATGACTTAAGAGTCATTTACACACACTTCTATCTTGATTTCTCT CCACTTGTCTTGGGTTTTAGTGGAAGAGAAATCTAGGAGTGGAAGCCCTAGACGTT GGAGGATAAGAAGGCAACCCTAGAAGGCAGAGCTAACGCTATCCTAAGGCAACCC TAACGCTATCCTAAGGCGTCCGC
SEQ ID NO:322	Late	LPZ-314	GCGGACGCCTGCTCAGCACCTGTTATAGTCATTTCTTTTTCTTTTTCTCATTTTT TCTTTTGAATGACCGCAATGAAATTCAGGCTGCCCAACGCGTTTTTGTGTTTACAAT TAATTTTTGAATCATACGCGAAGATCATGATGAGAATGGTTGTGGAAGAAAACTGTT TGTAATATTTAGGTGACCAACAATTTTCATGATTGCAATCTAAAGTTGATAATTGAT TTATCGGGTCGACATTTGTAATTATTAACACGGAAAATCTGAGGCTTACAATTTTTG GATTGTAAATATTTAGGTGACGAACAATTTTCATGATTGCAATCTAAAGTTGACAATT GAGTTATCGTGTGACATTTGTAATTATTAACACACAAAATCTATGAGGCGTCCGC
SEQ ID NO:323	Late	LPZ-315	GCGGACGCCTCATCAATCCATGGTTGTACACGCGCCTTCAAAGCGGCTTCCTTATG TCGCGCAGCGTCTACTTGTTCTTGAGCGCTTTTCCCTGCTACATCCGCGCGAGCC TCTGTGCAAGGGCCACTGTCTGCGCGGTCCCTTTAACTTCGTGCTACTTCTGCTGC AGCTCACGTGTCTCTATTTCTAAGTGCTATATATTTGGGTCCTCCTGCATAGTAGTG AACTTCGAACGACTCCTCAAATAGCCAGGTGTAGTCTTTTCATTGCACTATTGATCTC CACTATTCCTGCTATAATGGCGCTAACATGCTGTTCCCTTCACCTTTGGCGGAGTTG AAGGCTGCGCCTTCTTGAGCTCGGTTATTTGAAGCTGAACCTTGGGCATATCTTC CTTCACCTCGTGCATCCCCTGCTTCGAGTTTCTGGATGCACGCCTCCACTGGGTCT TCTGCTGGGATGGGCAACTCTAAGACCAACTGGTATGCGTCGC

LAW OFFICES

FINNEGAN, HENDERSON,  
FARABOW, GARRETT,  
& DUNNER, L.L.P.  
1300 I STREET, N. W.  
WASHINGTON, DC 20005  
202-408-4000

TABLE I

cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:324	Middle	LPZ-318	GCGGACGCCTTCTTCAATCCATCAGGCCTGATTAATGTATTGACCTTCTTTGTCTGA ATGTCATACATTTTTTCACTGCATCCTTGATCTTCTTGTCTTGCTTTCTATCCT TTCTCTTGCTTTCTATCCTTTCTCTGGC
SEQ ID NO:325	Late	LPZ-320	GACGTTGTAAACGACGGCCAGCAAAATTGATATAAAGAATAGACACATCGACTCA AATGAAGTGAAGTCAACAGTTCATTAATTCATGTCAGCTTGAATGCATGGACATACAC CCATAAATAGGCAGTTGGGGTCACCCAAAAGAACATAGAAACATCTCGCATCTCTC TGAAGAACTCGGATGGGTACAGGTCTGTGACTTCGCATATTTTGAAGGAGCACTC TCTTGGATAAGTACAATATAGGTACCATCTCGGACTCGCCTGAAATCTCGCAAAGA AGTCTCATTCTCCTCCTTGTTACAGGCGTCCGC
SEQ ID NO 326	Late	LPZ-321	GACGTTGTAAACGACGGCCAGAAGCATCAATAAACAAAATGACAGATTAACAAGT TCTCTCTTAATCTTAAGAGAATACATCAACATCCAAGTAAAGTCATAACACATTTACA AAATGGTGCCACGGTATCCATTCTGTGAACAAGGTTTTCTGAAAATAGTTTTCT CTTATCTATGTAACCTTCATAGGGATGCCTGTGTCAACGTGCCATATTCCCAAATT TGGCCACAATCAAACCTTCCTCATTAGAAGAAACAATCTCTGGTCTAGCTCAAAATT GGCAAATTTCCAGCATCTCCCTTTAACATCATTAGAAGGCGTCCGC
SEQ ID NO:327	Early	LPS-097	GGGAGATGCTAATTTGAAGCCCTTCTCTGAAGGTGGACAATTCCAGCAGCAGTGGT CTAAAGCCCCAATATGGCTATAGAAATTCTTCTGGGGGTTCACCTATGGAAGAGG GTCGGAGAGGACGAAGCTGTGGATCGCTCTTACCATCTGTGCGGAAGGTGGTAGC AGAATTCATTGGAACGTTCTTCCTCATATTTGTAGGATGCGGATCTGTGCTTGTGA TAAGATAAGCAACGGTTCATAACTCATCTTGGTGTGTGCTTGTATGGGGAATGG CGGCCATGATTGTAATTTATTCCATAGGCCATATTTCTGGAGCTCATTTGAATCCTG CAGTGACGTTGGCCCTTGCGGCTGTGAAGAGATTTCCATGGGTTCAGGTTCCAGG CTACATAGTAGCTCAAGTATTTGGATCGATATCTGCTGGGTTTCTCCTACGTTTCAT GTTTGGAGAAGTGGCATTTCATGGGAGCCACAGTTCCTTCAGGCTCAGAAATGCAGT CTTTCGCTTTGGAAATTACTACGTCATTGTTGGTGTGTTGTTGTTCTGCAGTCG CCACTGATACAAAAGCGGTGGGTGAATTGGGAGGTTCAAGCAATTGGAGCGACCAT CGCAATGAATGTAGCCATATCCGGACCAATCTCAGGAGCTTCAATGAATCCAGCAA GGACAATAGGATCCGCAGTGGCTGGCAACAAATATACAAGCATTGTTGGTTTACATG GTTGGGCTGTAAATCGGTGCGCTAATGGGTGCAATGAGTTATAACATGATTAGAGA GACAAAAATGTCCGAAAGGGAGATTATGAAGAGTGGGTCATTTGTTAAGGACATGG GCTCCAGCGAATCAACAGCATAACAACCTTAGAGATTTNTTGCATTCCCGAGACGGT ATCCAGTGATAGTGGAGAGTAGTCATAATAAGATTTGTGAAAATGTTTGTGTAGATT AATGTGTAAAATTCAATCCATCAACCATGAAGCGAACTGCATTCCGTTTTTAAATGT TTATTGGATTTGAATTAATAAACAGCTTATACGTGAAAATCCCTACTTTATGTACGGA
SEQ ID NO.328	Early	LPS-098	ACTATAGGGCACGCGTGGTCGACGGCCCGAGCTGGTATCCGATGAAGCTAGATTC AATGGTTCAAGTCCTATGAAAGCTAGATTGGAGAATTGCAAAGAAATCTAATCTCCG TTAGTTGTCCCAACCACTGACTCGCACCCAATCAGAGTATATTAAAGTTAAAGATTA TATAAAGGTAAATTGAACATTTATAAAATCTTAAATGATTTTTAGAGTTAAACATTAT ATAGAATATTTAATGTAGTATAGATATAATAAAATATTAATAAATTTCTCTTTACT ATCAAGTGAATAAAAAATAAAAAATAAATGTAAGACAATATAATAAAGACTTGTTTTT AGTGCATTTTTTGGACTCTTCGTTATTGTGTGGTATTGTGTTATTTAACTGATCTTT TTACTGTATATATGGATGGGTACCCATCAAACCTTGATTTCAATAAATTCCTCCC GGATTTTAGAGAAATTAGACCATAAAAACTCACGAAAAAATTTTAGACCATAAAAAAC TCACGAAAAAACTTCCCCAAAATCACGCTAAAAACAACCTAGATAAAAAAATACCCA TCTTTGATGATGTGGATAGTGACAGCCTATTCCAACTATCACCTAAATTGTAAGTT ACATGCATAACACGATGACCTCATCTATACGTTGTGCCAAATAAAGGTATGACCGTT CAAACATAAGAAATCAACGAGCTCAACGCATCTTTTGTGTGGGGGATTCTCACG GCTTAACATTCATGGANCCGATTACCTTNCTANCCAACCAAGGGTTTTAACCTGGAA CAAATNCCAAACCAATTACCAGCTTNACAAATCAACCGAGCCGCCNACCGGGATC ATTTTGGTCAAGTCTCGAAAACNGGCATTGGGTATATGGNATATGGAATTGGAATT GGATCAATGGTAACCTTGGGANAAGCTTAANTTGGAAANCCCTTTTTTTTGGANGGG GGCCAANTTCCCGNNCCCCCGG

LAW OFFICES

FINNEGAN, HENDERSON,  
FARABOW, GARRETT,  
& DUNNER, L.L.P.  
1300 I STREET, N. W.  
WASHINGTON, DC 20005  
202-408-4000

TABLE I

cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO 329	Early	LPS-099	ATACTCAAGCTATGCATCCAACGCGTTGGGAGCTCTCCCTATGGTCGACCTGCAGG CGGCCGCGAATTCAGTAGTGATTAGATGGTAAGAGCGATCCACAGCTTCGTCTCT CCGACCCCTCTTCCATAGGTGCAACCCCCAGAAGAATTTCTATAGCCATATTGAGGC TTTAGACCACTGGTGCTGGAATTGTCCACCTTCAGAGAAGGGCTTCAAATTAGCAT CTCCAAGTTACATTGATCTATTCTATTCATATACATATAACAATGCTGCTTCGAGACT GACAAAATGATCCGTTGGCGCTCGTTGATTGTTAGCTGTAATTGTTTGGATTGTTCA GTTAAAGCCTTGTTGGTAGGAGGTAATCGGTCATGAATGTTAGCCGTGAGAATCCT CACAGCAAAAGATGCGTTGGAGCTCGTTGATTCTTTAGTTTGAACGGTCATACCTTT ATTTGGCACAACGTATAGATGAGGTCATCGTGTTATGCATGTAACCTTACAATTTAGG TGATAGTTTGGAAATAGGCTGTCACTATCCACATCATCAAAGATGGGTATTTTTATC TAGTTGTTTTTAGCGTGATTTTGGGGAAGTTTTTTCGTGAGTTTTTATGGTCTAAAA TTTTTTTCGTGAGTTTTTATGGTCTAATTTCTCTAAAATCCGGGAGGAATTTATTGAA ATCACAAGTTTGATGGGTAACCCATCCATATATACAGTAAAAAGATCAGTTTACCAG CCGGGGCCGTGACACGCGTGCCCTATAGTAATCGAATTCCGCGGGCCGCCATG GCGGCCGGGAGCATGCGACGTCGGGCCCAATTCGCCCTATAGTGAGTCGTATTAC AATCACTGGCCGCGTTTACACGTCGTGACTGGGAAACCCTGCGTTACCACTTAAT CGCTTGAGCACATCCCCCTTTCCAGTGNGTAAAACGAAAAGGCCCCNCCATCGCCT TTCAAAAATTGGCAACTGAANGGGAAGGACCCCT
SEQ ID NO:330	Early	LPS-100	ATACTCAAGCTATGCATCCAACGCGTTGGGAGCTCTCCCATATGGTCGACCTGCAG GCGGCCGCGAATTCAGTAGTGATTAGATGGTAAGAGCGATCCACAGCTTCGTCCC CTCCGACCCCTCTTCCATAGGTATAAAACCCAGAATTTGGTGAGCAGGAAGAATTC CATAGCCATATTGAGGCTTTACACCACTGCTGCTCGAATTGTCCACCTTCAGAGAA GGGCTTCAAATTAGCATCTCCAAGTTACATGGATCTATTCTATTATATATTATAAC AATGCTGCTTCGAGACTGACAAAATTATTTGTTGGCGCTTGTTTCATCGTTAGCTGTA ATGTTTTGGATTGTTCAAGTGATGAGGACCGCCGGGCGTGCACGCGTGCCCT ATAGTAATCGAATTCCGCGGGCCGCCATGGCGGGCGGAGCATGCGACGTCGGG CCAATTCGCCCTATAGTGAGTCGTATTACAATCACTGGCCGTGTTTTACAACGT CGTGACTGGGAAAACCCTGGCGTTACCCAATTAATCGCCTTGACGACATCCCCC TTTGCCAGCTGGCGTAATAGCGAAGAGGCCCGCACCGATCGCCCTTCCCAACAG TTGCGCAGCCTGAATGGCGAATGGACGCGCCCTGTAGCGGCGCATTAAAGCGCGG CGGGTGTGGTGGTTACGCGCAGCGTGACCGCTACACTTGCCAGCGCCCTAGCGC CCGCTCCTTTTCGCTTTCTTCTTCTTCTCGCCACGTTGCGCGGCTTTCCCGTC AAGCTCTAAATCGGGGGCTTCTTTAGGGTTCCGATTTAATGCTTTACGGCACCT CGACCCCAAAAAAATTGATTAGGGGTGATGGGTACGTAAGTGGGCCATCGCCCT TGATAGACGTTTTTTTCGCCCTTTGACGNTGGAAGTCCACGTTTNTTTAATAGNGGG ACTCTTGGTTCAAATGGGACAACACTTCAAACCTTTTTTGGGNTATTTTTTTTAT TTATNAAGGGATTTTTGCCGNNTTNGGGCCTTTTGG
SEQ ID NO:331	Early	LPS-101	ACTATAGGGCACGCGTGGTCGACGGCCCCGGCTGGTTTCAATAAATTCCTCCCGG ATTTTAGAGAAATTAGACCATAAAAACTCACGAAAAAATTTTAGACCATAAAAACTC ACGAAAAAACTTCCCCAAAATCACGCTAAAAACAAGTAGATAAAAAAATACCCATC TTTGATGATGTGGATAGTGACAGCCTATTCCAACTATCACCTAAATTGTAAGTTAC ATGCATAACACGATGACCTCATCTATACGTTGTGCCAAATAAAGGTATGACCGTTCA AACTAAAGAATCAACGAGCTCCAACGCATCTTTTGCTGTGAGGATTCTCACGGCTA ACATTCATGACCGATTACCTCCTACCAACAAGGCTTTAACTGAACAATCCAAACAAT TACAGCTAACAATCAACGAGCGCCAACGGATCATTTTGTGAGTCTCGAAGCAGCAT TGTTATATGTATATGAATAGAAATAGATCAATGTAACCTTGGAGATGCTAATTTGAAGC CTTTCTCTGAAGGTGGACAATTCCAGCACCAGTGGTCTAAAGCCTCAATATGGCTA TAGAAATCTTCTGGGGGTTGCACCTATGGAAGAGGGTCGGAGAGGACGAAGCTG TGGATGCTCTTACCATCT

LAW OFFICES

FINNEGAN, HENDERSON,  
 FARABOW, GARRETT,  
 & DUNNER, L.L.P.  
 1300 I STREET, N.W.  
 WASHINGTON, DC 20005  
 202-408-4000